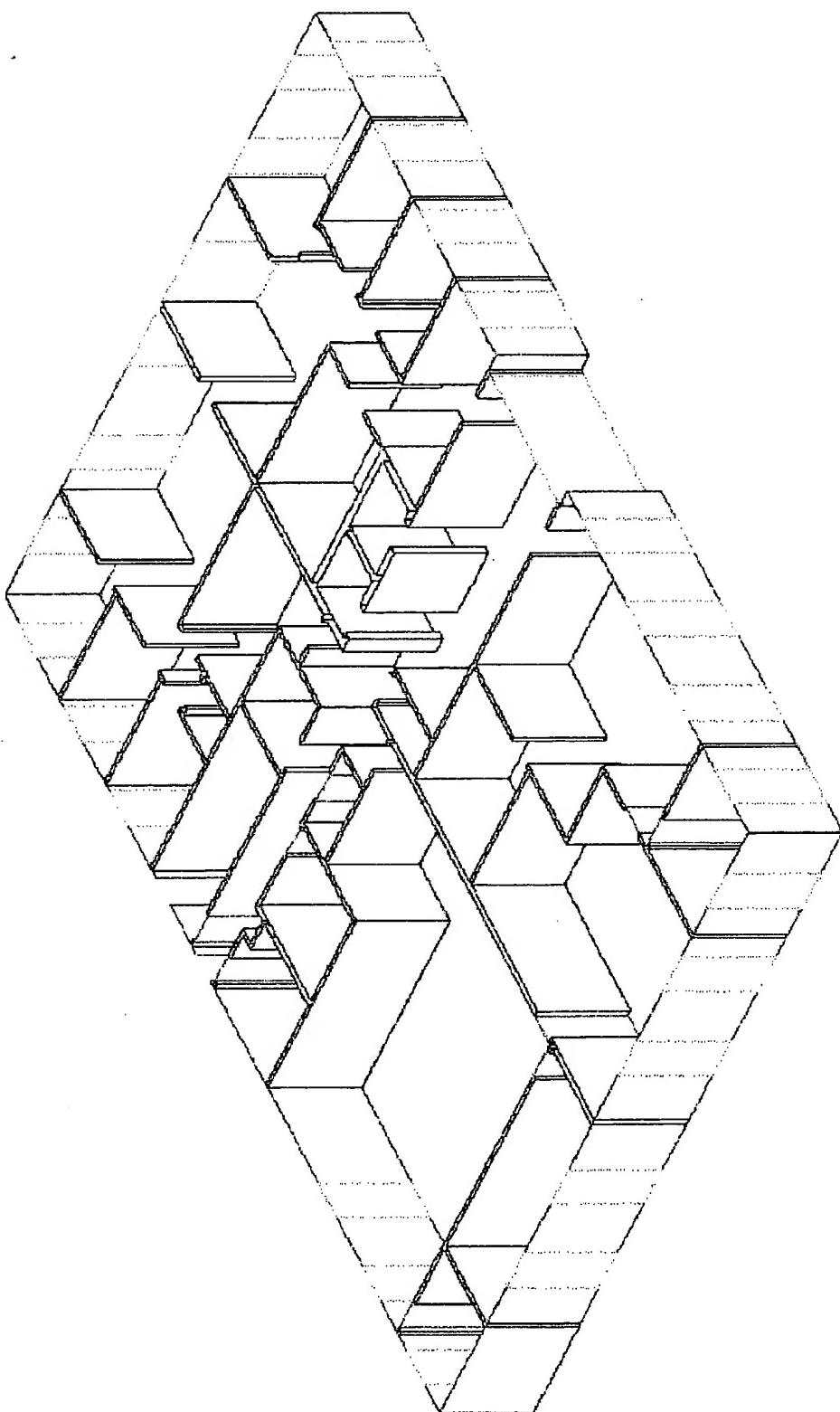


Figure 1



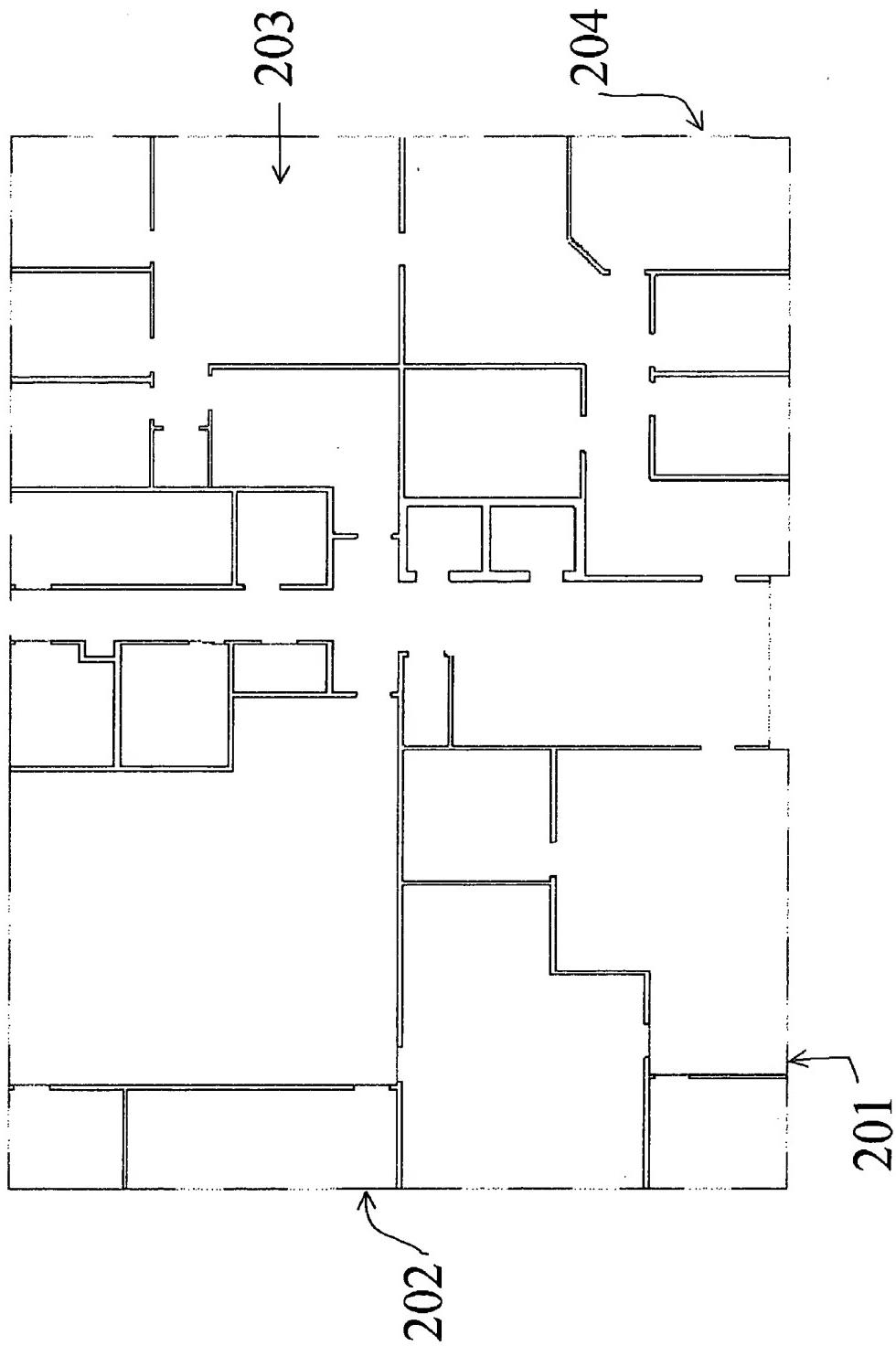
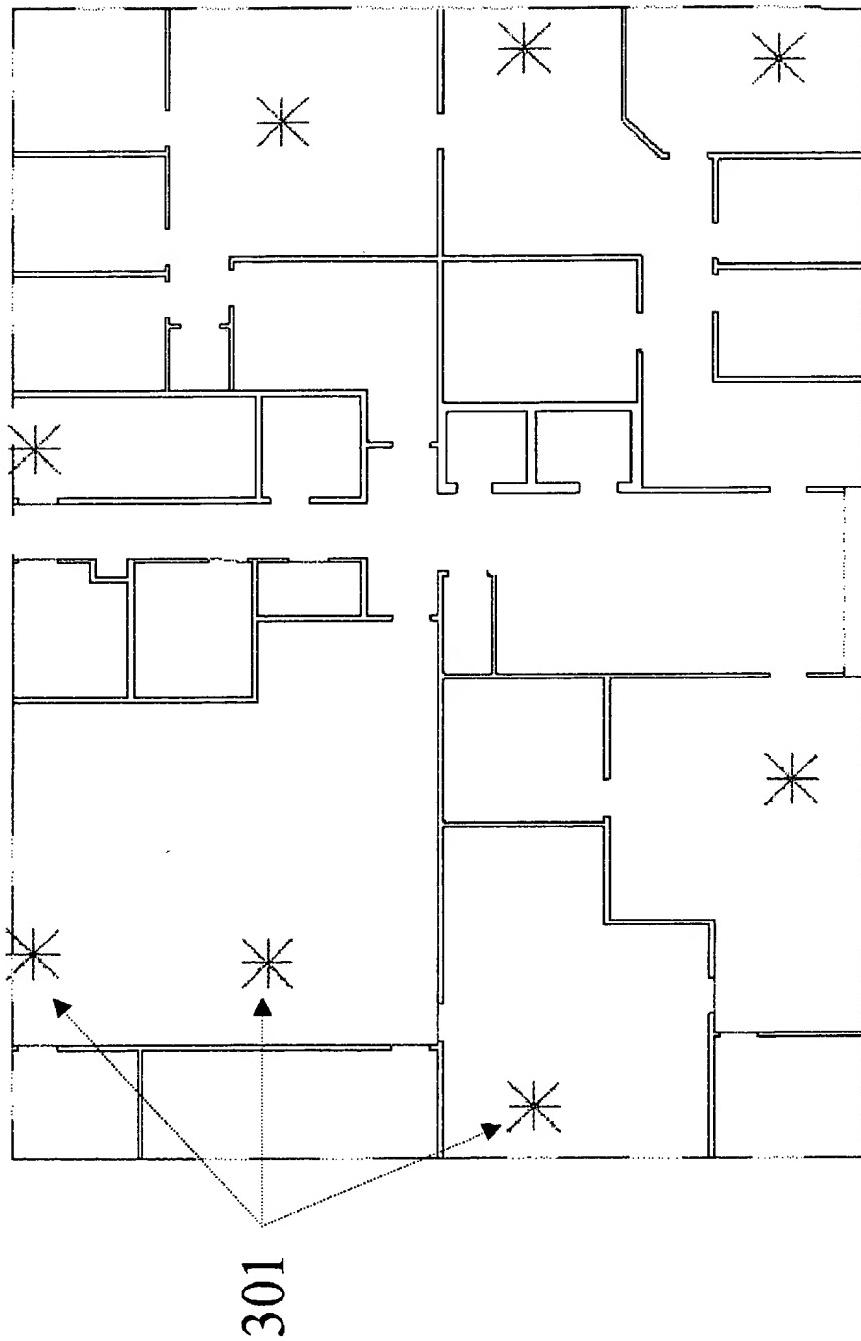


Figure 2

Figure 3



402

Type	Manufacturer	Part #	Description	Unit (db)	Connections	Physical Ext.	Installation Cost
ANTENNA_POINT	Diesel Products	DB884-H45	45 deg. 15 dB Gain	0.99	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB884-H60	60 deg. 14.3 dB Gain	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB886-H60	60 deg. 15 dB Gain	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB884-H60	60 deg. 13 dB Gain (base)	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB884-H60	60 deg. 16 dB Gain panel	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB85600-90A4	50 deg. 12.5 dB Gain PES, 45/45	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB874H115-1920	105 deg. 10.50 dB Gain 1820 MHz	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB874H90	11 dB Gain 90 deg	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8784H20	120 deg. 13 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8804H54	30 deg. 14 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8804H105-14	115 deg. 14.5 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8804H204	120 deg. 14 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8804H54	65 deg. 16.5 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	Diesel Products	DB8804H54	80 deg. 15 dB Gain PES	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901160MAS	Widebeam 108 deg. 5.5 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901170MAS	80 deg. 15.0 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901180MAS	90 deg. 9.3 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901190MAS	90 deg. 9.5 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901200MAS	90 deg. 12.1 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901210MAS	90 deg. 12.5 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901210MAS	90 deg. 12.0 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901210MAS	90 deg. 13.3 dB Gain Panel	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	901210MAS	90 deg. 8dB Vertical Polar Array	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	DV105-0840-A2	DV105-0840-A2	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	DV105-0840-M2	DV105-0840-M2	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	DV105-1040-A2	DV105-1040-A2	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	DV105-1040-M2	DV105-1040-M2	0.68	1	0.00	0.00
ANTENNA_POINT	ENS Weeks	DV105-1040-A2	DV105-1040-A2	0.68	1	0.00	0.00

Add Selected Components

Figure 4

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Figure 5

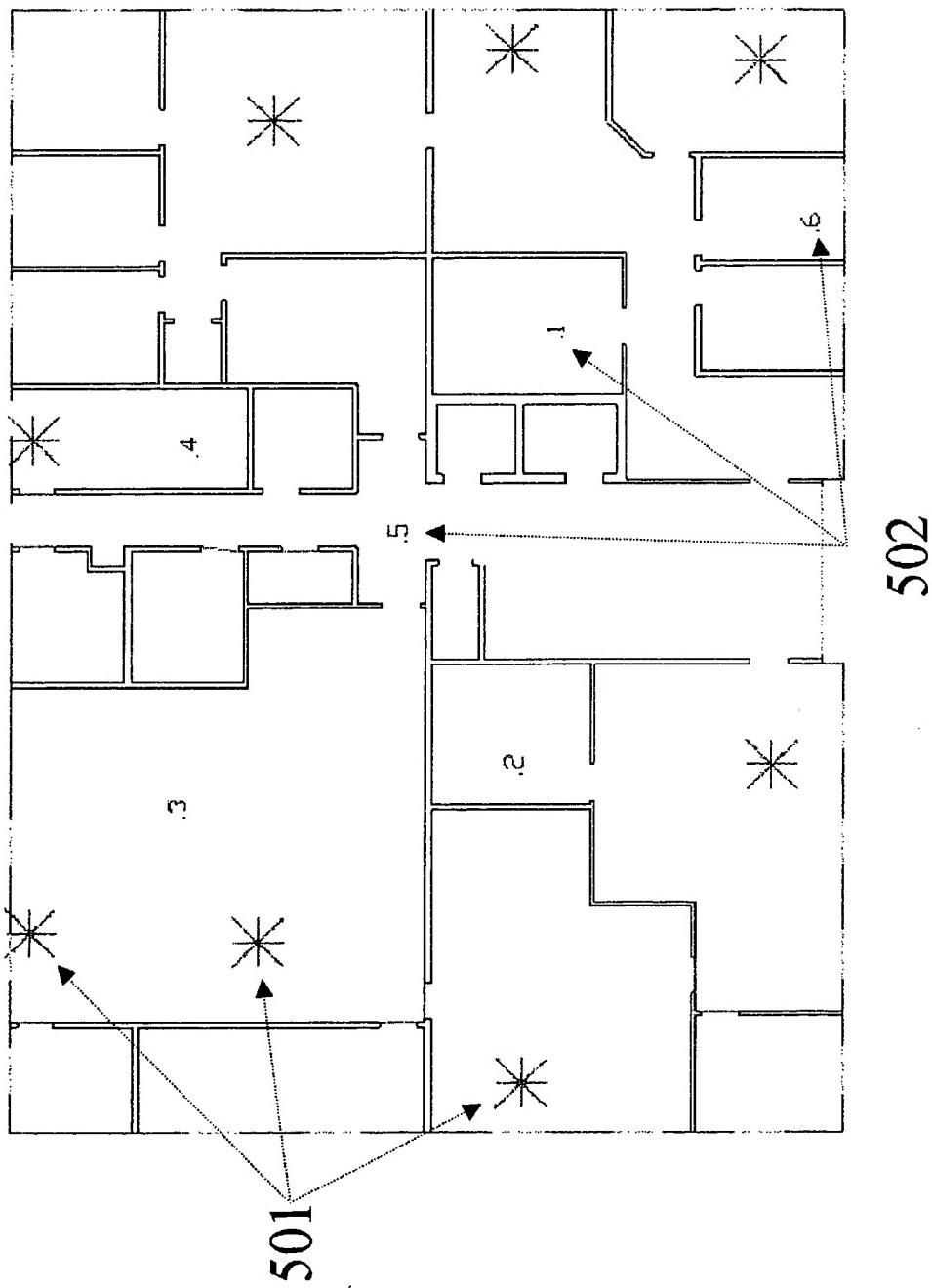


Figure 6

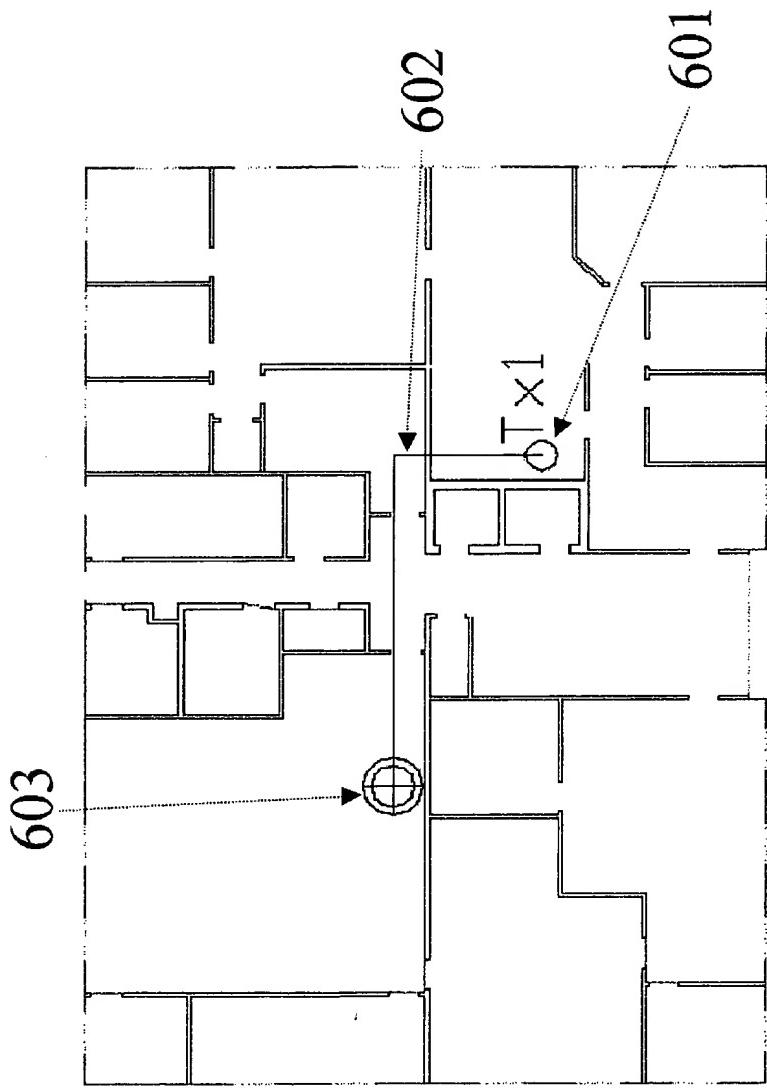
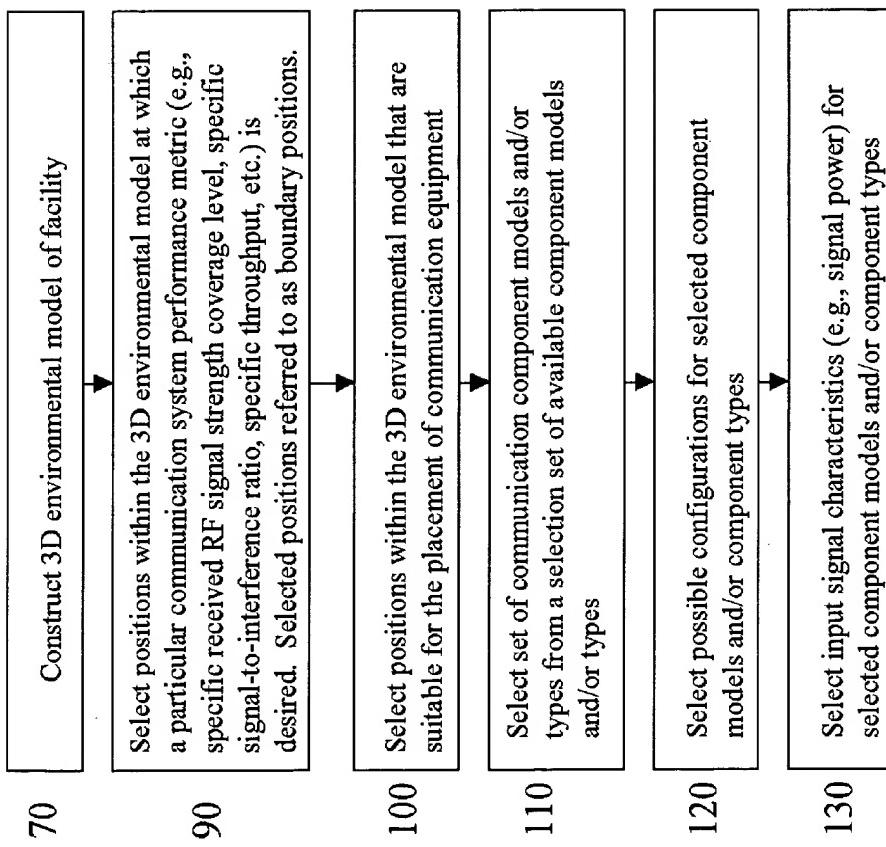


Figure 7



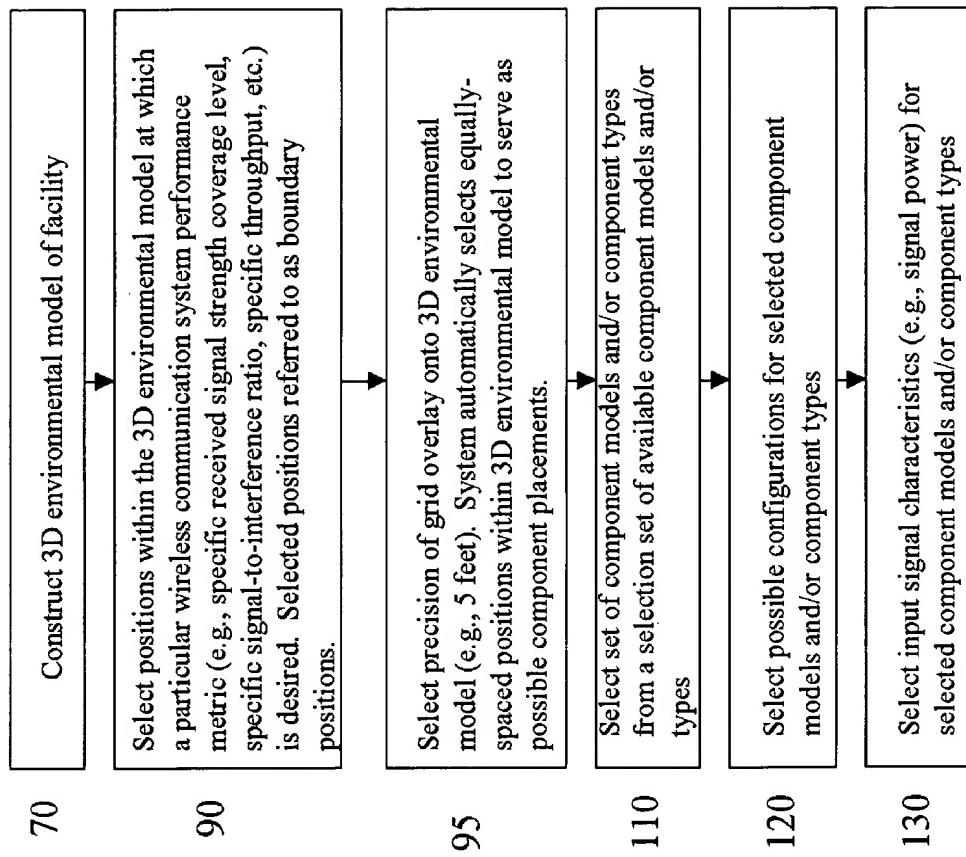


Figure 8

70

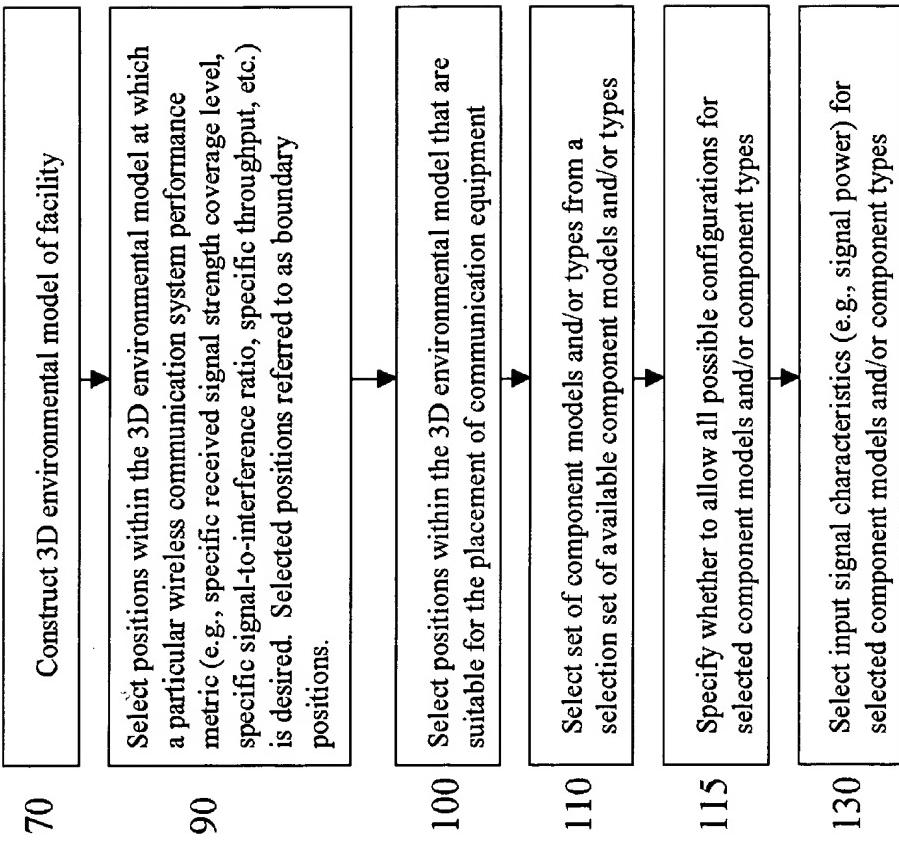


Figure 9

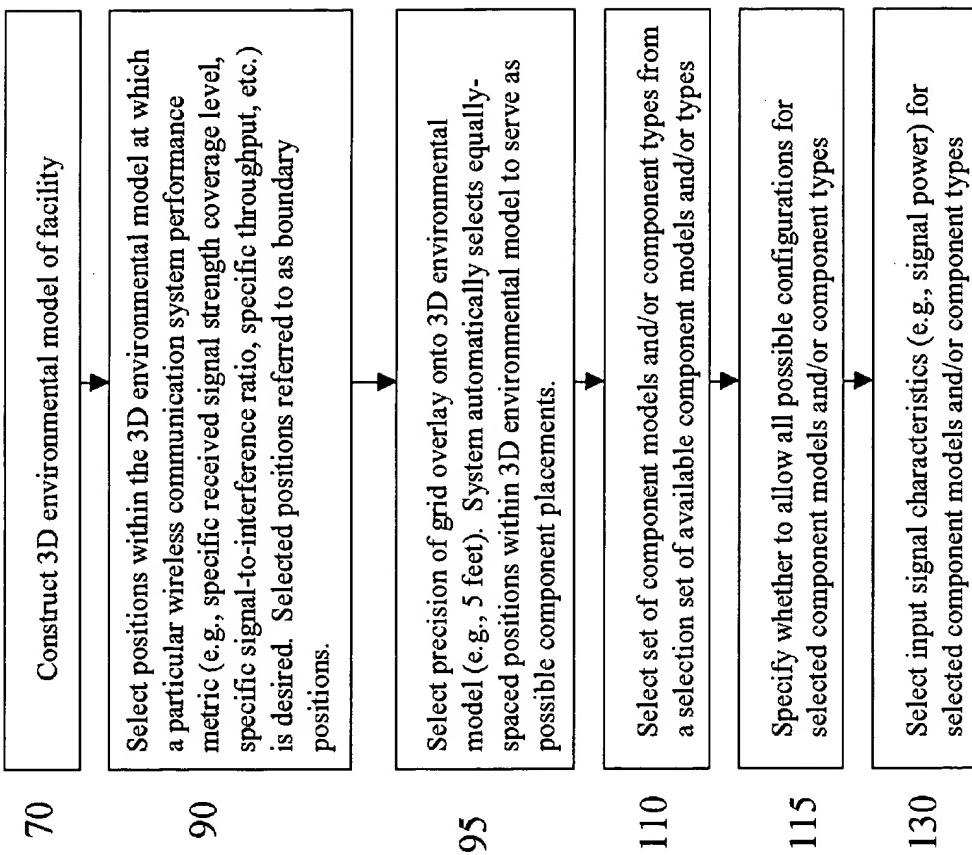


Figure 10

Figure 11

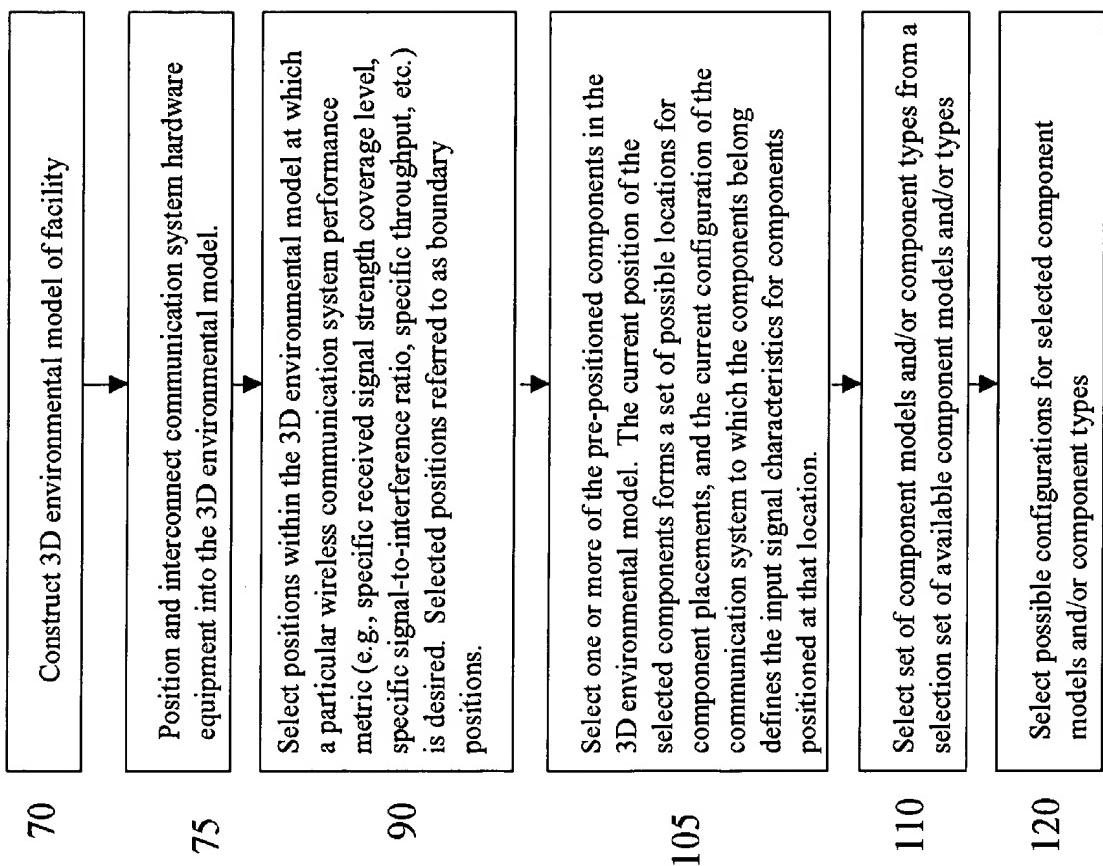
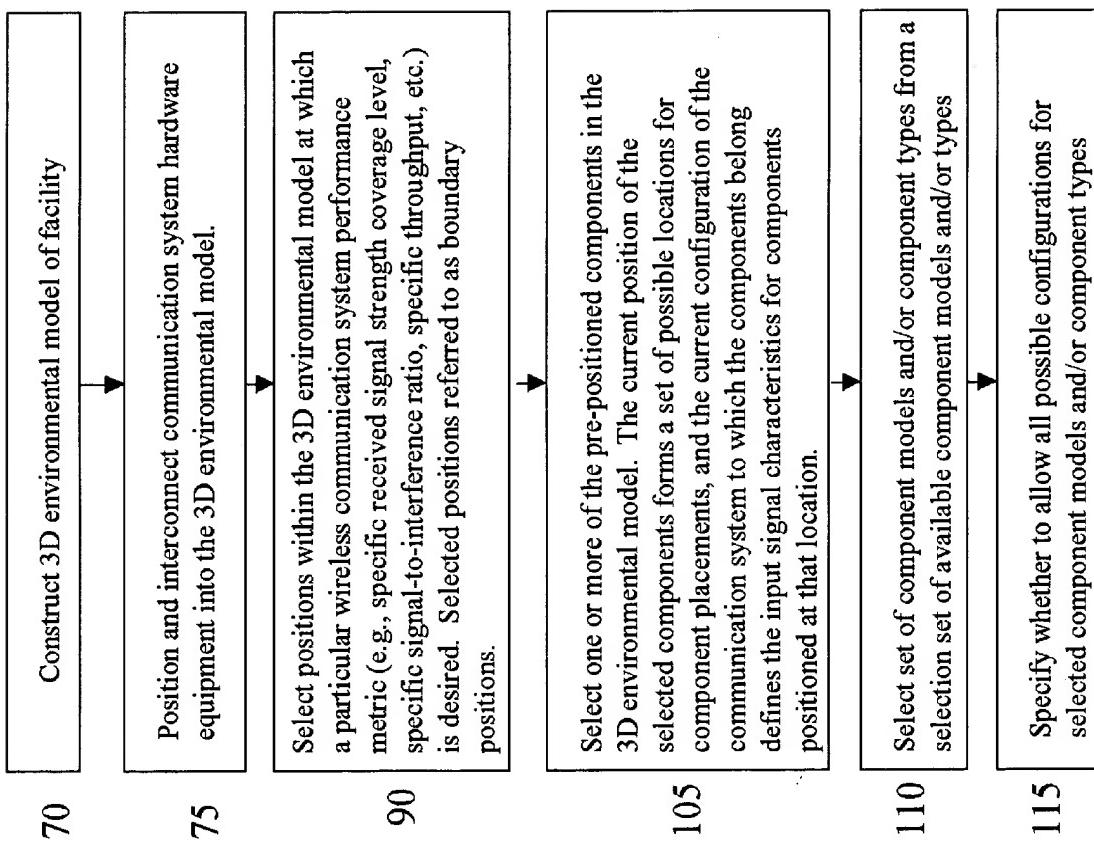


Figure 12



From Figure 7, Figure 8, Figure 9, Figure 10, Figure 11, or Figure 12

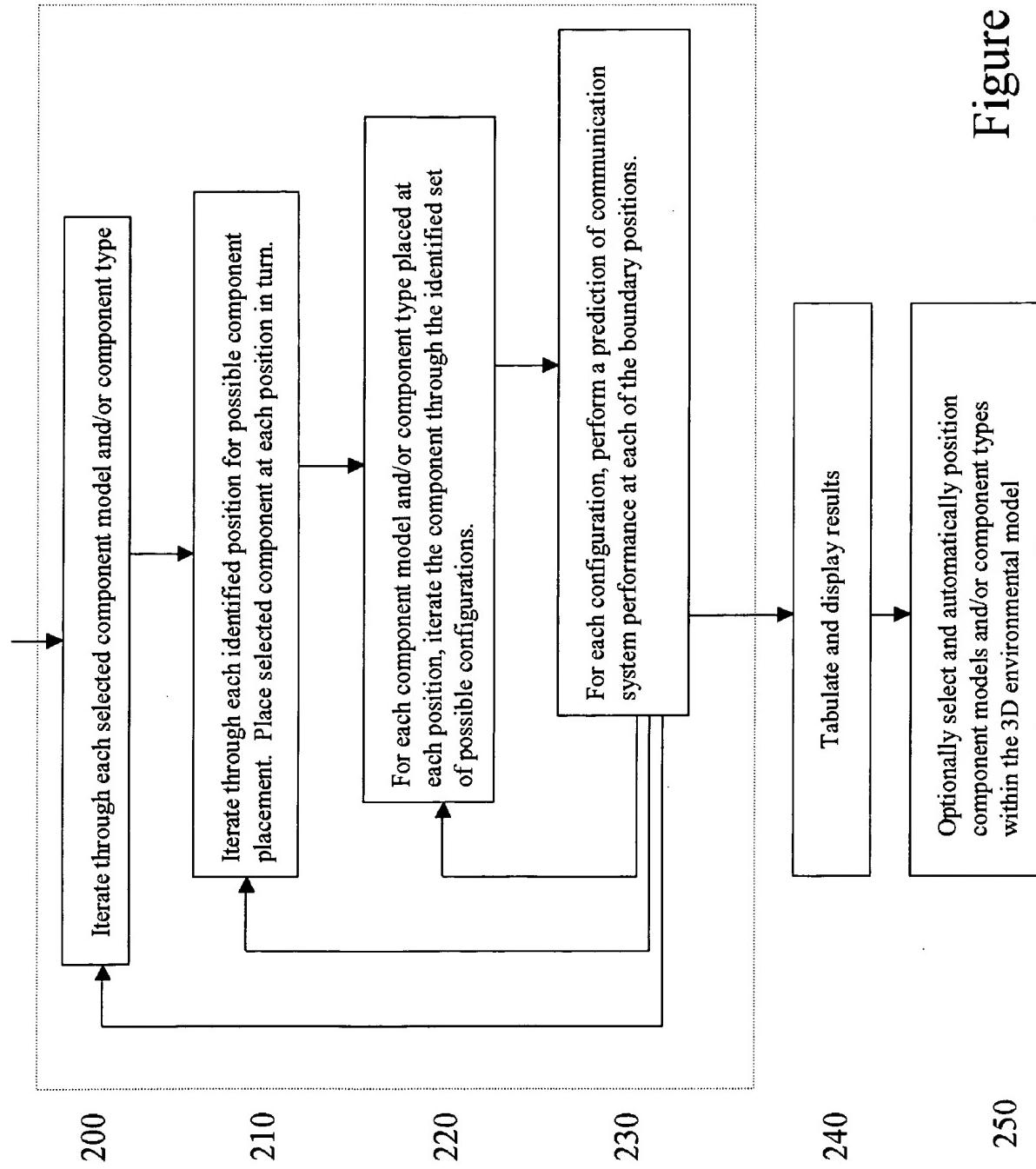


Figure 13

Figure 14

Manufacturer	Part #	Description	Line	190 Deg.	200 Deg.	210 Deg.	220 Deg.	230 Deg.	240 Deg.	250 Deg.	Z-Axis Resonance
Alcatel Telecom	ASPP2913 1920	#B OMNI P/N 1850-1930 350 deg. 3.00 dB Gain	0.00 dB	0.62 dB	210.00 deg	0.00 deg	250.00 deg				
Aldrin	7144-23	90 deg. 10 dB Gain	0.00 dB	0.75 dB	310.00 deg	90.00 deg	110.00 deg				
Antel	RWA-3010	70 deg. 10 dB Gain	0.00 dB	0.75 dB	240.00 deg	0.00 deg	130.00 deg				
Antenna Specialist	ASP503	90 deg. 17 dB Gain	0.00 dB	0.68 dB	320.00 deg	0.00 deg	130.00 deg				
Antennatek	PD1108	7.5 dB Gain Omni	0.00 dB	0.77 dB	30.00 deg	0.00 deg	230.00 deg				
CUMSATRS Mfr.	PCS A 05-165	65 deg. 16.8 dB Gain PCS w/5 deg. O/I Dual Flattop 45 Polarized 50-ohm 30W	0.00 dB	0.83 dB	120.00 deg	20.00 deg	320.00 deg				
Dape	5600D			0.70 dB	130.00 deg	0.00 deg	320.00 deg				
Decibel Products	DBETS-HB3	83 deg. 15.2 dB Gain	0.00 dB	0.70 dB	170.00 deg	0.00 deg	310.00 deg				
EHS Wireless	FS3G-1100-N2	Omni 11 dB Gain Vertical 45 Polar Array	0.00 dB	0.74 dB	250.00 deg	0.00 deg	320.00 deg				
GENERIC	VERTICAL DIPOLE, QUARTER	5 dB Regain	0.00 dB	0.60 dB	120.00 deg	40.00 deg	200.00 deg				
	6dB-050-114-0.870	50 deg. 15.13 dB Gain 170 MHz	0.00 dB	0.73 dB	140.00 deg	0.00 deg	320.00 deg				
Headline	740247	6 dB Gain OMNI	0.00 dB	0.75 dB	20.00 deg	0.00 deg	290.00 deg				
Kathrein	CS10818S	Match 10.18 Gain OMNI	0.00 dB	0.75 dB	270.00 deg	0.00 deg	50.00 deg				
Mark	0P18-875	Scale 45 deg. 15 dB Gain (same as 742215)	0.00 dB	0.69 dB	140.00 deg	0.00 deg	330.00 deg				
Mark	SHL4111 CR105	105 deg. 5.5 dB Gain	0.00 dB	0.75 dB	310.00 deg	90.00 deg	190.00 deg				
Smart	Speedstar Corporation	52 deg. 11.3 dB Gain	0.00 dB	0.74 dB	30.00 deg	0.00 deg	320.00 deg				
TEK	TA 802-60	TIL TEK 50 deg. 12.5 dB Gain	0.00 dB	0.66 dB	0.00 deg	0.00 deg	0.00 deg				

z- Back

Front

Figure 15

